Faculty Profile

Basic Information:



NAME : **Suresh.S**

DESIGNATION : **Associate Professor**

DEPARTMENT : **EEE**

DATE OF BIRTH : **30-12-1978**

DATE OF JOINING : **12-06-2019**

EMAIL ID : **Suresh78.balu@gmail.com**

EMPLOYEE ID: **: 1408**

Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D Power Quality in Distribution system	Pondicherry University	2019
Master in Technology- Power Electronics & Drives	Bharath University	2005
Bachelors of Engineering - Electrical& Electronics	Madras University	2001

Research Details:

1. Areas of Specialization :		Power Quality in Distribution system
2. No. of Publications :		10
3. Awards Received :		NIL
4. Research Guidance		
	No. of PhD Guided:	1
	No. of MTech. Guided:	2
	No. of B.Tech. Guided:	30
5. Details of Professional Membership:		**Permanent Member in Institute of Technical Education (ISTE).**

6. Subjects Taught	:	Control System, Power Electronics, Electric Circuits Basic Electrical and Electronics Engg., Solid State Drives, Analog Electronics, Electrical Machine Design, Electrical Machines- I, Electrical Machines-I I, Power quality -M.Tech, FACTS -M.Tech

Publication Details:

Title	Publisher	Published Year
Integrated renewable electrification system modeling and tri-objective optimization analysis for net zero energy institutional building: a simulated case study of green hydrogen production	Environment Development and Sustainability- Springer,	2024
Cost-Effective Energy Conservation Techniques for Textile Spinning Mills	IEEE Access	2022
Disk Margin based Robust Stability Analysis of a Motor Drive	Engineering science and Technology an International journal- Elsevier,	2022
Neural Network based MPPT Control with Reconfigured Quadratic Boost Converter for Fuel Cell Application,	International journal of Hydrogen Energy", Elsevier2	2020
Real time Assessment of power quality issues in 11kV/440 V distribution feeder using distribution static synchronous compensator	, Transaction of the Institute of Measurement and control, SAGE	2020
Optimum design of hybrid renewable energy system through load forecasting and different operating strategies for rural electrification	Sustainable Energy Technologies and Assessments, Elsevier	2020
Techno economic performance analysis of hybrid renewable electrification system for remote villages of India	IJEE journal of research, Wiley	2020
Optimal sizing, Selection and Techno -Economic analysis of battery storage for PV/BG based hybrid rural electrification system	IETE journal of research, Taylor & Francis,	2020
Renewable green hydrogen as a future power for Electric vehicle a Perspective	Renewable Energy for plug-in Electric Vehicles, Elsevier.	2024
IOT Based Automated Indoor Hydroponic Farming System.	E3S Web of Conferences,	2024
Techno Economic Analysis of Hybrid Renewable Electrification System in Different Climatic Zones,	Lecture Notes in Electrical Engineering- Springer	2020

Patent Details:

Title of Patent	Submitted/ Published /Awarded
Mini Buck Converter voltage regulator module.	**Published**
Artificial Neutral network-based VAR compensation of Inverters connected to distributed Energy resources	**Published and Awaiting for Patent Grant**